



The Halifax Amateur Radio Club

REFLECTOR

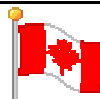
PO BOX 663
HALIFAX NS
B3J 2T3

June 2003 Volume 64 Number 6

club address: www.halifax-arc.org



We'll be category 2F this Field Day



HARC Club Station phone number - 490-6421

See the HARC Web site at: <http://www.halifax-arc.org>

Our executive and committees.

Position Name & Call Sign

Phone

E-Mail

President - Dick Grantham, VE1AI	434-8046	ve1ai@rac.ca
First V.P. - Fraser MacDougall VE1WO	865-4198	ve1wo@rac.ca
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Secretary - Howard Dickson, VE1DHD	823-2024	ve1dhd@rac.ca
Treasurer - Jeremy Fowler, VE1JHF	835-6651	ve1jhf@rac.ca
Member at Large -		
Club Station Mgr. - John Goodwin, VE1CDD	865-5731	ve1cdd@rac.ca
Past President - Bill Elliott, VE1MR	865-8567	ve1mr@rac.ca

Committees/Offices/Prime Contacts

Public Relations: Wayne Harasimovitch, VE1WPH 832-3660 ve1wph@rac.ca
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Web page - Rob Ewert, VE1KS,	826-1705	ewetr@hfx.eastlink.ca
Basic ham course Scott Wood, VE1QD,		ve1qd@rac.ca

Assistant -

EMO Trailer Assembly coord - David Musgrave, VE1EDA 435-4333 ve1eda@rac.ca

Flea market 2004 Chair'man -

Field Day coordinator - John Goodwin, VE1CDD 865-5731 ve1cdd@rac.ca

RAC Asst Director - Wayne Marchand, VE1WJM, 860-1580 ve1wjm@rac.ca

NSARA Director - Barry Diggins, VE1TRI 861-3719 ve1tri@rac.ca

Frequency coordinator for Nova Scotia - Bev Reynolds, VE1TL

Take-15 Net Controllers

NOTE: There have been some changes.

This will be the rotation.

If you cannot take the net on your particular evening get in touch with one of the others and trade places with them. If I have left any one off the list, or you want to join, please let Bill Elliott, VE1MR, know.

June 15	Doug	VE1LDL	Aug. 10	Doug	VE1LDL
June 22	Larry	VA1LW	Aug. 17	Larry	VA1LW
June 29	Dave	VE1EDA	Aug. 24	Dave	VE1EDA
July 6	Herb	VE1HX	Aug. 31	Darryl	VE1DOH
July 13	Darryl	VE1DOH	Sept. 7	Herb	VE1HX
July 20	Charles	VE1MCR	Sept. 14	Charles	VE1MCR
July 27	Tom	VE1GTC	Sept. 21	Chris	VA1CDB
Aug. 3	Herb	VE1HX			



The **General Meeting** of the Halifax Amateur Radio Club will take place Wednesday, June 18, 2003 at 1930 hours (7:30 PM), at the former Bloomfield School building (corner of Almon and Agricola streets). The meeting will be held in the Multi-Purpose Room.

Our speaker will be John Goodwin, VE1CDD, talking about Field Day 2003 plans.

Guests are welcome.

The HARC will not have formal meetings over the summer instead, Pizza Nights will be held on the evenings of the 3rd Wednesdays in July and August. (There will be reminders on the Take 15 Net.) Drop by to socialize and munch. Guests are welcome.

The HARC Reflector is also available on the web (a little after the paper copy) courtesy of Rob Ewert, VE1KS, by connecting to www.halifax-arc.org

GENERAL INFORMATION

TAKE-15 NET:

Sunday evenings at 8:30 PM on
VE1PSR - 147.270 MHz +

AMSAT Net: Sunday evenings following the Take 15 Net.

CLUB REPEATERS:

VE1PSR - 147.270 MHz +
VE1HNS - 146.940 MHz -

PACKET:

VE1NSD - 145.050 MHz LAN NODE
VE1BBS - Local packet BBS
accessible through the LAN

Coming Events

Tune in to the "Amsat Net" Sunday evenings after the Take-15 Net with Wayne, VE1WPH.

For more information &/or involvement in Maritime Museum of the Atlantic events with a ham radio component contact John, VE1CDD, by phone at 865-5731

Or e-mail ve1cdd@rac.ca

June 14 & 15 –

International Museum weekend

June 21 – Kid's Day (*more info on page 3 or see the June issue of QST Magazine.*)

June (27), 28, 29 - Field Day

July 19 & 20 2003 – Museum of Ships Special Event

John Goodwin is spearheading this

Phone 865-5731

E-mail ve1cdd@rac.ca

July 16 & August 20 – Pizza nights at the HARC station.

MS Bike Tour – August 9, 10, 2003

Contact Rick Gardner, VE1RGG, to get involved.

August – Lunenburg Steak & Salmon Supper.

August – NSARA Picnic

September 6 – Shediak Fleamarket

October 7, 8, 9, 2003 –

APCO Conference - EMO Coordinator, Barry, wants ham presence.

15 or 20 volunteers are needed for Radio & non-radio tasks. In return ham volunteers get free access to the trade show.

(e.g. – Drivers with radio communications needed for 2 vans.)

Let's take advantage of a free booth to publicize local amateur radio, RAC and the NSARA at the Trade Show which will be part of APCO (Association of Professional Communications Officers) Conference. Contact Dave George, VE1AJP to arrange your spot.

E-mail ve1ajp@rac.ca

October 22 – Greenwood Fleamarket

From ARRL Headquarters
Newington CT February 11, 2003

SB QST ARL ARLB014

New Field Day entry class

Field Day will gain another entry class for 2003. "Class F" stations will operate at emergency operations centers, or EOCs. The change renews the emphasis of Field Day's 1933 origins as an emergency preparedness exercise as opposed to a routine contest.

ARRL Contest Branch Manager Dan Henderson, N1ND, said that last year the League received a record number of Field Day entries from groups and individuals. Given the increased emphasis on emergency communications since September 11, 2001, the ARRL Board's Membership Services Committee asked that the Contest Branch come up with something to reflect that emphasis. The new Class F station is the result.

"This is a major change," Henderson said. "Class F has been established to encourage groups to test and further their working relationships with established emergency operations centers." The updated rules and a list of frequently asked questions in the new 2003 Field Day packet spell out the details.

A Class F entry station must set up at an "established EOC" center activated by a club or non-club group. Class F EOC operation must take place in cooperation with the EOC staff. Class F stations are eligible for the same bonus points as Class A stations.

The complete--and official--rules for Field Day are available on the ARRL Web site
<http://www.arrl.org/contests/rules/>

Your friends love you anyway

MS Bike Tour - August 9-10, 2003

The MS Bike Tour is being held on Aug. 9 & 10 this year with about 200 cyclists already registered for this year's event. There may be as many as 500 cyclists participating in the event this year.



The route will be the same as it has been for the past few years starting at Musquodoboit Harbour, through the scenic Musquodoboit Valley and ending in Truro. Minor changes in the rest stops allow for ample space for the service vehicles and large quantities of bikes to be clear of the shoulder of the road and road traffic.

I expect that we will need the assistance of about 20 ham radio operators this year. Several will need their own vehicles to be able to set up at each of the six rest stops along the route and about a dozen will be required to ride in the service vehicles for first aid, bike repair, sag wagon, and flagger transport.

If you are willing to help with the Bike Tour this year and can spare one or two days please let me know by emailing me your name, call sign and phone number and whether or not you have a vehicle. I will be calling to confirm the information and to answer any questions you may have.

Or you can phone me at

902-209-1725

You typically will need a handheld, mag mount antenna, connectors and plugs for battery/lighter connection. Operators are asked to check their equipment before the event and to bring extra equipment for backup if available.



Rick Gardiner,

VE1RGG ve1rgg@rac.ca

World Radiocommunication Conference 2003 will take place in Geneva, Switzerland, from June 9 until July 4, 2003.

PRESIDENT'S NOTES June 2003

WOW WOW WOW is all I can say about the success of the FLEA MARKET held June 7th. It was a resounding success and certainly establishes both the Halifax and Dartmouth Clubs as hosts of the largest and best attended event of its kind in the Atlantic region. Attendance was up significantly, like 50% over the previous year. There were literally tons of gear that changed hands ("Old gear never dies... it just circulates). The ladies auxiliary of the DARC sold out of their Amateur Radio Cook Books, for their fund raiser for the DARC.

The excellent Displays, interesting Talks, Craft tables and more all contributed to a slightly new format that was well accepted and helped contribute to the huge success. I was constantly approached with positive comments on the event. Big thanks go to Ed Grace, VE1EGG, Dave Nimmo, VE1NN and the committee under their leadership, and also to the many generous other volunteers who all contributed so much personal effort to make the event a lot of fun for all. The weather even co-operated.

As I had mentioned before there has been some very minor discussion about a convention being planned for 2005. Given the enthusiasm I saw on Saturday at the Flea Market ... the idea seems to hold some potential.

It's now time for the next great event ... Field Day. This year it will be held at the EMO Emergency Operation Centre in Dartmouth. The club will be operating VE1FO in the newly authorized Class "F". This presents some new challenges, some new comforts, and as well we will be joined by the Dartmouth club who will be proving VE1YO as the "get on the air" station. You don't want to miss this one. The last full weekend of June - PUT IT ON YOUR CALENDAR.

We also had a mid term budget review at the executive meeting and I am very please to say that Jeremy, VE1JHF, has done a super job, and we are not over budget on any item at this time. This is again due to the hard work of many club members who, although we have many many activities racing along, they have all managed to keep expenses down. I would also like to express my appreciation to EMO for their assistance in this regard. Field Day expenses should be less than last year and less than budget as well. So, even though we are running at top speed, we are still on the track. Thanks to all.

The summer break will soon be upon us (hopefully with summer weather), and this will be the last regular meeting until September. Pizza nights will be held on the third Wednesday in July and August at the club station.

The June meeting will be chaired by Frazer, VE1WO, our first VP. I plan to be in VO1 and maybe VO2 land arranging funeral services for as many brook trout as I can.

See you at Field Day!

Dick, VE1AI President, HARC

Scheduled entertainment for HARC general meetings:

September - Wayne Harasimovitch,
VE1WPH, talking about the history of CHU

October - Ron Weagle, VE1RHW, talking about
Fast Scan TV

November – Annual meeting and election of the
HARC executive for 2004

Kid's Day June 21, 2003
from QST, June 2003

***CQ, CQ, CQ Kid's Day***

Purpose: Kid's Day is intended to encourage young people (licensed or not) to enjoy Amateur radio. It can give young people on-the-air experience so they might develop an interest in pursuing a license in the future. It is intended to give hams the chance to share their station with their children.

Dates: Saturday, June 21 & Sunday, June 22, 2003

Time: 1800 to 2400 UTC. No limit on operating time.

Suggested exchange: Name, age, location and favorite colour. You are encouraged to work the same station again if an operator has changed. Call "CQ Kid's Day"

Suggested frequencies: 28,350 to 28,400 kHz, 21,380 to 21,400 kHz, 14,270 to 14,300 kHz and 2-meter repeater frequencies with permission from your area repeater sponsor. Observe 3rd party traffic restrictions when making DX QSO's

Awards: All participants are eligible to receive a colourful certificate. You can help ARRL keep track of the Kid's Day activities & responses. Please visit the ARRL Kid's Day Survey page

<http://www.arrl.org/FandES/ead/kids-day-survey.html>

to complete a short survey and post your comments. You will then have access to download the certificate page or send a 9x12 self-addressed, stamped (US stamp) envelope to:

Boring Amateur Radio Club

P.O. Box 1357

Boring, OR 97009

Tech Support. — *Compaq is considering changing the command "Press Any Key" to "Press Return Key" because of the flood of calls asking where the "Any" key is.*

Congratulations to

Brandon, VE1DYN, on being chosen to be the recipient of the 2003 **Citizenship Award** for Elizabeth Sutherland School, Halifax, NS.

This award is presented by the Halifax Regional Municipality and honours students from each junior high school whom exemplify the qualities of a good citizen. Heartiest Congrats Brandon on the Award!



Museum of Ships Special Event July 19 & 20, 2003



Three ships in Nova Scotia (Halifax & Bridgewater) are eligible for participation in this event.

EVENT FREQUENCIES

While the participating ships will use any valid amateur frequency the ships will try and stay near the following frequencies:

SSB	CW
3,860 KHz	3,539 KHz
7,260 KHz	7,039 KHz
14,260 KHz	10,109 KHz
18,160 KHz	14,039 KHz
21,360 KHz	18,099 KHz
24,960 KHz	21,039 KHz
28,360 KHz	24,899 KHz
50,160 KHz	28,039 KHz

EVENT PSK 31 OPERATIONS

14.070	MHz
10.142	MHz
18.100	MHz
21.070	MHz
28.120	MHz



Ships using Original Equipment Frequencies will be given out at later date.

John Forrest Jr., VA3USN/XJF
HMCS Haida G-63
e-mail address
va3xjf@aol.com



RAC's web site is www.rac.ca

From the ARRL Letter, Vol. 20, # 27

July is IOTA Month! DXers who participate in the IOTA (Islands On The Air) program, sponsored by the Radio Society of Great Britain (RSGB), know that July is IOTA Month. This is quite possibly the best month to work a new one, because so many people in the Northern Hemisphere go on IOTA DXpeditions at this time of year, especially during the RSGB IOTA Contest the last full weekend of the month. If you are just starting out in this DX award program you can easily work your first 100 IOTA counters and some of the more serious operators can work well over 200. This year's contest will be held on the weekend of July 26-27. For more information on IOTA, visit the RSGB's Islands on the Air Web site <http://www.rsgbiota.org/>

Why is the man who invests all your money called a broker?

All Stations

Subject: EMO Communications
Course-May 17, 2003
HRM EMO HQ

This is a nice
'Thank You' message
Break

**Number 1**

To: Tom Caithness, VE1GTC
We would like to express our appreciation to you for the very informative and well presented course on the procedures and practices to be used by Amateur Radio Operators in providing telecommunication support to the Halifax Regional Municipality - Emergency Measures Organization. The course was most enjoyable and certainly of benefit to those participating. Thank you for a job well done.

Break

Sid VE1BJR
Brandon VE1DYN
Don VE1BPN

**A.P.R.S. NEWS**

The second meeting of the APRS group was held at the HARC station on Wednesday, May 28, at 1900 with seven members on hand. There was a number of items discussed as to the best use of APRS. Some of the items suggested were - searches, M.S. bike ride and emergencies (location of vehicles). The EMO/Amateur trailer is fitted with a system to help keep track of the trailer. The SARA group is also installing a system in the Red Cross emergency van. Watch for VE1HRM (trailer) and VE1ERV (Red Cross van) on your map.

John VE1CDD loaded a software packet engine on Bill's (VE1MR) portable computer and one of the computers in the club station. All that is required to run APRS is a computer and a VHF radio connected to it and tuned to 144.390MHz. Then watch the stations show up.

Next meeting will be 25 June 1930 at the HARC station

Thanks to VE1CDD for - URL of Packet Engine

<http://www.elcom.gr/sv2agw/>

[http://www.elcom.gr/sv2ag/\\$](http://www.elcom.gr/sv2ag/$)

Plus some more URLs on APRS

[ftp.ias.roedu.net/mirrors/ftp.tapr.org/aprssi/presentations/kd4rdb.ppt](ftp://ftp.ias.roedu.net/mirrors/ftp.tapr.org/aprssi/presentations/kd4rdb.ppt)

www.wxqa.com/archive/DCC2002.ppt

<http://webpages.charter.net/n4wyk/present.htm>

ftp://ftp.tapr.org/software_lib/aprssi/presentations/

<http://narc.net/> (What is Ham Radio)

<http://nwaps.org/sar.htm> (S and R)

David VE1EDA

Puzzler - Do You Know?

Which type of amateur radio license was issued in the 1920s but was permanently discontinued in the 1930s?

Answer on page 10



DownEast Fleamarket Bytes

It sure was a great flea market and my hat is off to the organizers of same. Perhaps you could mention that at the next HARC Club meeting or put it in the HARC Newsletter. I sincerely appreciate all of the work and effort that a host of folks went to to make it a really good flea market for the rest of us.

There seemed to be a bit of a resurgence of interest in bits and pieces, project boxes and the like - which is encouraging, as it means that some folks at least are contemplating building something!!

73 and all of the best Don, VE1AMC

Table layout was selected to provide power access for all tables, and the wide aisles were used to allow us to fill up the hall (almost), with the number of tables we needed, plus give lots of room for circulation.

Forum staff were very helpful both Fri evening and Sat morning, and the access to the rear door was a positive improvement over previous years, allowing for the speedy egress of some of the larger sellers when they were able to bring their vehicles into the building at the end.

David VE1NN

I heard very positive comments from several people about the talks that were presented.

Many expressed admiration for the new Ground Search vehicle which was present and open for "tours" -ed.

The DARC Cookbook

(first issue, first printing) sold out at the DownEast Fleamarket 2003

**DownEast Fleamarket 2004**

will be held May 15, 2004 in the HALIFAX FORUM ANNEX (same as the last couple of years)

Top – Buyers & Browsers

Middle – David, VE1NN, presenting the main door prize, an ICOM V8 2m hand held radio to Larry, VA1LW

Bottom – Time & Space to Meet & Talk & Chuckle

Photos by John Brady, VE1WZ



Halifax Amateur Radio Club Minutes of the General Monthly Meeting of May 21, 2003.

The meeting was called to order at 19:32 Wednesday, May 21st, 2003 by President Dick Grantham (VE1AI).

Executive in attendance: Past President Bill Elliott (VE1MR), First Vice-President, Fraser MacDougall (VE1WO); Second Vice-President Lynn Bowser (VE1ENT); Treasurer Jeremy Fowler (VE1JHF) and Secretary Howard Dickson (VE1DHD). There were 29 members present as the meeting commenced.

President Dick Grantham (VE1AI) welcomed members present and reported that the Secretary position on the Club Executive that had recently become vacant had been filled by Howard Dickson (VE1DHD) who volunteered to step into that role for the remainder of the year.

Silent Keys: No Silent Keys were identified.

New Members & Guests: Darryl Perrin (VE1HUP) was introduced as a new member. Visitors included Thaine MacLean and Joey Cook. Barry Manual (VE1JRG) was introduced as the speaker for the evening.

Minutes of April Meeting: Approval of these minutes as published in the May 2003 Reflector was moved by Dave (VE1EDA) and seconded by Dave (VE1NN). There were no amendments. Motion carried.

REPORTS:

Treasurer's Report: Jeremy reported a bank balance of \$1,691.17. Acceptance of the report was moved by Bill VE1MR; seconded by Brenda VE1PA. Carried.

Club Station Report: John (VE1CDD) reported that the amplifier for the satellite station has not yet been ordered but an order will be placed this week.

Membership: Tom (VE1GTC) was absent, so there was no membership report.

Search & Rescue: Dave (VE1AJ) reported the involvement of the Search & Rescue Team at the recent forest fire in Eastern Passage. Dave informed the meeting that the new Search & Rescue GPS and plotting software came in very handy in allowing the Fire Service to fly the fire perimeter in their helicopter and then to plot the perimeter of the fire accurately from the GPS co-ordinates that were saved during the survey. The need for an on-board APRS system and SSTV was made clear.

— EMO: Dave (VE1AJ) reported that the EMO Amateur Radio Communication Group was placed on standby but not needed at the Eastern Passage fire.

Public Relations: President Dick (VE1AI) commented on the outstanding success that Wayne (VE1WPH) is having in heightening awareness of Amateur Radio in the Halifax area and complemented Wayne on the excellent presentation that he made to the Club in April on Amateur Radio in the International Space Station.

Wayne (VE1WPH) gave a report on ARISS activities, indicating that there were now 98 schools involved in the ARISS School program, where students make contact with the International Space Station. Wayne reported on a recent successful linking of four local schools in Metro into a Question and Answer session between the Johnson Space Flight Centre in Houston Texas and the Ontario Science Centre in Toronto. Previous sessions had employed HF and were limited in their success. Wayne's suggestion to take advantage of the IRLP system was a great success. The enthusiasm generated by this activity at the Bedford South School has convinced one of the teachers to proceed to take the Amateur Radio Course next year and to work towards setting up a HAM station at the school.

Flea Market: President Dick (VE1AI) encouraged all members to talk up the upcoming Down-East Flea Market that will take place at the Halifax Forum on Saturday June 7th. Dave VE1NN reminded the group that tables are free this year and to this point 54 tables have been reserved. Traditionally the number of non-reserved tables is quite significant and they expect in the order of 50 additional requests for tables on the day of the flea market. Dave reported that he will attend the Saint John Flea Market in Saint John NB on the weekend of May 24 in his capacity as Atlantic Regional Director for RAC.

Dave (VE1AJ) inquired as to what sort of display the Club was planning for the Halifax Flea Market. It was agreed that there would be an ARISS display at the HARC booth, along with promotional material on the Club; some used equipment that had been donated to the Club will also be sold. The following individuals volunteered to staff the HARC booth - Win (VE1WIN); Ian (VE6IMR); Howard (VE1DHD) and Fraser (VE1WO).

Entertainment: Lynn (VE1ENT) reported that the guest speaker for the evening was Barry Manuel (VE1JRG) EMO Co-ordinator for the Halifax Regional

— Municipality. She also indicated that Dave (VE1NN) had a new Amateur Radio promotional tape from ARRL that he would be showing. Lynn indicated that the door prize for the evening was a 'multi-tool'.

Special Events: Jeremy (VE1JHF) reported that the MS Walk had been a great success, raising over \$104,000 in the Metro area alone. There were 1200 pre-registered walkers, with over 700 showing up to walk. Communication was managed by 15 volunteers from the Halifax Club.

John (VE1CDD) reminded members that the club has committed to be involved with the Maritime Museum of the Atlantic CW display on the Acadia - June 7/8, and during the June 14/15 International Museum weekend. July 19/20 is the International Ships on the Air weekend. Amateurs are needed to work all three events, particularly CW operators on June 7 & 8.

Special Projects: APRS - David (VE1EDA) reported that there were now 11 amateurs who were interested in the APRS project and that the group would hold its first meeting next week.

OLD BUSINESS:

Poster Boards: Win (VE1WIN) reported that this project was now completed.

Climbing Safety Course: It was reported that the club had paid the full registration fee for Pat (VE1PHK) to attend the course as previously agreed, and that Terry (VE1TRB) had 75% of his registration covered by Government, leaving the Club to fund the remaining 25%. Both had previously indicated that this was an excellent course. Terry hopes to take an advanced climbing course in the near future that would allow him to become a certified climbing instructor.

Support for Radio Amateurs of Canada: President Dick informed the group that two members of the Club had attended the Annual General Meeting of RAC in Cornwall Ontario in late April - Howard Dickson (VE1DHD) and Dave Nimmo (VE1NN). He also reminded the group that the Club had requested that Dave (VE1NN), RAC Atlantic Regional Director pursue the issue of the President of RAC having a tie-breaking vote. Dave reported that this issue had been raised at the recent RAC Annual Meeting in Cornwall. It seems that because the RAC constitution is silent on the issue of the voting power of the Chair, that Robert's Rules of Order takes precedence and so provides the Chair with a tie-breaking vote. It seems that neither the Directors nor the President of RAC were aware of this until very recently.

Dave (VE1NN) reported that the RAC Board had discussed the upcoming World Radio Conference that will take place in Geneva Switzerland in July. He identified four topics that are of special interest to Radio Amateurs:

Dropping the Morse Code requirement, he felt that this will very likely pass.

40 metre band: there is optimism that a clear area of the band from 7.1 to 7.3 will be freed up for amateur radio by moving the commercial broadcasters from this region of the band. Although there is some optimism of success, this will likely not happen quickly even if approved.

70 cm: there appears to be significant commercial interest in, and pressure on this band and the implications for Amateur Radio will be discussed.

Power Line Transmission of High-speed Internet Traffic: there is concern if this is approved because it could wipe out the lower end of the HF spectrum for amateur radio.

Finally, Dave reported that RAC has embraced a new Youth Education Program in an attempt to bring younger individuals into the hobby. RAC has allocated \$10,000 for the outfitting of one HAM station in one school in each of the provinces this year.

NEW BUSINESS:

Display Backdrop: Wayne (VE1WPH) reported on the need for a more 'professional' look to displays that the Club presents. He commented on the positive impact of the commercial backdrop that was used with the ARISS display at the IMAX theatre recently. He has looked into building a similar display backdrop and has priced it out at under \$500. The display when extended would be 10 feet long and seven feet three inches in height. The display is constructed of aluminum tubing, with solid aluminum blocks at attachment points, and will collapse to a size of 12 by 10 inches. The frame is covered by indoor/outdoor carpeting that is held in place by magnetic strips. Poster material can easily be attached to the carpeting using Velcro strips. It was moved by Wayne, VE1WPH, and seconded by Ian, VE6IMR, that the Club fund the construction of this display backdrop to a maximum of \$500. An amendment was moved by Barry (VE1JRG) and seconded by Bill (VE1MR) that Wayne should approach the HRM-EMO through Barry Manual for funding for this project. The original motion and the amendment both passed.

Scott (VE1QD) agreed to assist Wayne in developing a promotional poster for the

HARC by enlisting the support of NSCAD Graphics Design students.

Amateur Radio Course Co-ordinator:

President Dick informed the Club that there was a need to find a replacement for the Course Coordinator. Tom (VE1GTC) had been filling this role now for some time and had requested relief. Scott (VE1QD) agreed to take over the role of Course Coordinator.

Distance Education Amateur Radio Course: President Dick reported that there had been some discussion at the last Executive meeting about the need for and desirability of having a 'canned' course that could be offered in a distance education format. Howard (VE1DHD) had agreed to chair a small task force that will look into the feasibility of the Club undertaking the development of such a course. There was some discussion about this having a much wider appeal beyond HRM and that it could generate some revenue for the Club. It was moved by Bob (VE1PQ), seconded by Bill (VE1MR) that a small ad hoc committee be formed to assess the feasibility of producing such a course. Howard agreed to chair the Committee and the following individuals agreed to work with Howard to develop a recommendation that would be brought back to the Club: Bill (VE1MR); Scott (VE1QD); Wayne (VE1WPH); Ian (VE6IMR); Dave (VE1AJP) and Darryl (VE1HUP).

Promoting Amateur Radio to Sailors: President Dick reported that there had been discussion at the recent Executive meeting concerning the promotion of Amateur Radio to sailors, particularly those who wish to take their boats offshore. There was discussion of the cost of setting up a booth at the February Halifax Boat Show. Win (VE1WIN) informed the group that he had had some preliminary discussions with Pat Nelder of the Atlantic Trade Group; this organization is involved with the planning of the Boat Show. There is a possibility that the theme for 2004 may be 'Communication'. Pat is aware of the use of Amateur Radio on boats to communicate via Marine Nets and to send and receive Email. If this theme goes forward, there may be an opportunity for the Club to have free booth space to promote Amateur Radio to sailors. Alternative: there was a discussion of the Club offering to give talks at the local sailing clubs.

Maritime Callbook 2004 Update:

President Dick informed the group that there is a need to find an Editor for the 2004 Callbook Update. Bill (VE1MR) has served as Editor for the last few editions

and wishes to pass this task on to someone new. Anyone interested in serving as Callbook Editor and leading the team that puts the 2004 edition of the Callbook together is asked to contact Dick (VE1AI). The Callbook is the MAJOR source of revenue for the HARC.

Field Day 2003: John (VE1CDD) informed the group that the Dartmouth Club wishes to have their Club Station Call (VE1YO) used as the call for the Novice Station during Field Day. It was made clear that it will be the HARC (VE1FQ) that operates from the Emergency Operation Centre at the EMO site in Dartmouth under the new 'F'-class. However the Dartmouth Club has offered the use of their facilities and station call specifically for the above purpose. There was general agreement that this would be a good idea. John, as Field Day Chairman will accept the offer from the Dartmouth Club.

NS Association of Science Teachers (NSAST): Wayne (VE1WPH) informed the group that he had been approached by this organization with a request that the Club set up a radio demonstration for the group's annual meeting in the fall of 2003. This could be a very important initiative in the overall thrust to involve more schools and school-aged young people in Amateur Radio.

Door Prize / 50:50 Draw:

The door prize (a 'Multi-tool') was won by Brenda (VE1PA), and the 50:50 draw was won by George (VE1GAB).

With no further business, on a motion by Bill, VE1MR, the meeting ended at 2100 hrs.

Entertainment:

Dave (VE1NN) played a short 12 minute video that has been developed by the ARRL to promote Amateur Radio. The segment was narrated by former CBS News Anchor and Radio Amateur, Walter Cronkite. This is a much improved video over those previously used by ARRL for promoting Amateur Radio, and highlights the important public service provided by Radio Amateurs in times of need. This video showing was followed by an excellent Power Point presentation by Barry Manuel (VE1JRG), Emergency Measures Organization (EMO) Co-ordinator for the Halifax Regional Municipality. Barry outlined the structure and functioning of the EMO in the Halifax Regional Municipality, with an emphasis on how Amateur Radio has and can play an important role in partnership with the EMO.

Submitted by
Howard Dickson, VE1DHD

"BROADBAND OVER POWER LINE" POSES HF INTERFERENCE THREAT

The FCC soon will invite public comment on the concept of using existing electrical power lines to deliver Internet and broadband service to homes and offices. What the FCC calls "Broadband over Power Line" (BPL) is a form of carrier-current technology typically known as power line communication (PLC). Whatever its name, the technology is raising serious interference concerns within the Amateur Radio community, since BPL would apply high-frequency RF to parts of the power grid. One aspect of the NOI is to gather information on potential interference effects on authorized spectrum users.

"Entire communities will be affected, so every amateur in that community could have part of the radiating system 'next door' on the power wiring on his or her street," cautioned ARRL Lab Supervisor Ed Hare, W1RFI. Hare chairs the PLC Work Group of the IEEE C63 Accredited Standards Committee on Electromagnetic Compatibility <<http://c63.ieee.org/>>.

The ARRL will be among those expected to submit detailed comments in ET 03-104.

So-called "access BPL" would use medium-voltage (1 kV to 40 kV) power lines to deliver Internet and broadband applications. Hare says access BPL is likely to be a more significant interference source than in-building PLC technology "because overhead electrical wiring is a much better antenna than the electrical wiring within a building."

ARRL CEO David Sumner, K1ZZ,

editorialized on the subject of PLC in "It Seems to Us . . ." in the October issue of 2002 QST. "Is it possible to do power line communications without causing interference to over-the-air communications?" Sumner asked. "Count us among the skeptics. What may be a fine transmission line at 60 Hz looks more like an antenna at HF." Hare said his own computer analyses of interference potential from access BPL/PLC suggest "a significant increase in noise levels" from deployed systems.

The FCC appears enthusiastic about BPL, saying it has the potential to "provide consumers with the freedom to access broadband services from any room in the house without adding or paying for additional connections." The Commission also touted BPL as "a competitive alternative to digital subscriber line and cable modem services."

New digital power line designs use multiple carriers spread over a wide frequency range--from 2 MHz up to 80 MHz--and capable of high data rates--up to 20 MB/s, the FCC said.

Tests of BPL are under way in several states, including Alabama, Maryland, Missouri, New York, Ohio, Pennsylvania and Virginia. Hare says ARRL Lab personnel will visit some of the test cities this spring to take field measurements to quantify the potential for interference to Amateur Radio operations.

BPL/PLC technology already has been deployed in some European countries, and amateurs there have complained about interference. Japan--responding in part to concerns expressed by its amateur community--decided last year not to adopt the technology because of its interference potential.

REMINDER

Have you changed your address? Got a new call sign?

We need to know your correct address to get the newsletter to you. Please inform Tom Caithness, VE1GTC, of any address changes.

Also please send your change of address to The Brit Fader

Memorial QSL Bureau

P.O. Box 8895

Halifax, N.S. B3K 5M5

The website for broadcast history is <http://broadcasting-history.ca/index2.html>

From the ARRL Letter, Vol. 22, No. 19
May 9, 2003

Turkish hams help following earthquake: Within hours after a deadly earthquake hit in the vicinity of the city of Bingol in southeastern Turkey on May 1, a contingent of Amateur Radio operators arrived on the scene. Amateurs, who traveled from Erzurum with a Civil Defense team, were able to reach the repeater in Erzurum--some 3210 meters above sea level--from some parts of the stricken city. From Erzurum, a Turkey Radio Amateur Club (TRAC) station relayed traffic via HF, said TRAC President Aziz Sasa, TA1E. Sasa says a three-person team from TRAC's Malatya Branch arrived at the disaster scene about 10 hours later and got an HF station on the air at the Incident Command Center. In addition, he said, two members from TRAC's Ankara Branch were deployed via a military aircraft with Civil Defense personnel. The Amateur Radio operation wrapped up May 4 along with rescue activities. "During the four-day operation a nationwide HF network was active," Sasa said. "As there is the fear of some further strong seismic activities in that particular region, we will try to arrange a VHF-UHF local area voice network there as quickly as possible." He said ham radio operators and equipment are scarce in the extremely mountainous area, but the elevation eases the installation of a VHF-UHF network.

AN IRISH FRIENDSHIP WISH

May there always be work for your hands to do;
May your purse always hold a coin or two;
May the sun always shine on your windowpane;
May a rainbow be certain to follow each rain;
May the hand of a friend always be near you;
May God fill your heart with gladness to cheer you.

Ever notice that the people who are late are often much jollier than the people who have to wait for them?

From the ARRL Letter, Vol. 22, No. 16
AMSAT-NA has issued the first **call for papers** for its 2003 Space Symposium and Annual Meeting

http://www.barc.ca/amsat_ca/

Oct. 17-19, 2003 in Toronto, Ontario, Canada. Papers may be presented by the author during the symposium or submitted for inclusion in the symposium Proceedings publication. Subject matter should be of general interest to Amateur Radio operators involved in satellite communications. Suggested topics include operating techniques, antenna design and construction, spacecraft design and construction, current mission status, proposed satellite missions, and telemetry acquisition and relay. Authors should submit brief abstracts as soon as possible but in no case later than June 15. Publication-ready manuscripts are due August 15, preferably in electronic form and in MS-Word format. E-mail electronic submittals to

Wayne Chandler, VE3WHC,
 ve3whc@amsat.org.

--AMSAT News Service

From the ARRL Letter, Vol. 22, No. 18
 May 2, 2003

New Echo satellite could be launched this year: AMSAT President Robin Haighton, VE3FRH, says AMSAT hopes to launch its new "Echo" satellite, now under construction, later this year. "Progress is good, and we hope to have the satellite under test during the late spring or early summer," he said in a recent AMSAT President's Letter. The so-called "AO-E" satellite will offer analog (including FM voice) and digital operation, high downlink power (7 W nominal), multiple channels (two transmitters), simultaneous voice and data, a multiband/multimode receiver and a turnstile UHF antenna. Optional payloads include APRS and PSK31 support. More information on the Echo project is available on the AMSAT-NA Web site

<http://www.amsat.org/amsat/sats/echo/article-02-11.html>

--AMSAT News Service

From the ARRL Letter, Vol. 22, # 21,
OHIO HAM HIT WITH \$12,000 FINE IN MALICIOUS INTERFERENCE CASE

Cooperation between Canadian and US amateurs has resulted in a \$12,000 Notice of Apparent Liability for Forfeiture (NAL) from the FCC to an Ohio amateur. The FCC has alleged that Ronald E. Sauer, WE8E, of Bedford Heights violated Part 97 rules prohibiting deliberate and malicious interference, transmission of music and failure to identify. The case involved daily interference to the Trans Provincial Net <<http://www.tpn7055.ca/>>, a Canadian net that operates on 7.055 MHz.

"This was no small task and was accomplished with the help of many people from the US and Canada working together," said ARRL Great Lakes Vice Director Dick Mondro, W8FQT, who expressed thanks to all involved. In addition to TPN members, that included Radio Amateurs of Canada (RAC) <<http://www.rac.ca>> officials, Industry Canada, the FCC, ARRL Michigan <<http://www.arrl.org/sections/?sect=MI>> and Ohio <<http://www.arrl.org/sections/?sect=OH>> Section officials, ARRL Official Observers and members of the Cuyahoga Amateur Radio Society <<http://www.cars.org/>>. "This was indeed an example of teamwork in action and proves again that the FCC does care and continues to work with us to stop interference," Mondro added.

TPN Assistant Manager Jim Taylor, VA3KU, said the interference to the net had gone on for several months. "Our break came when the jammer decided to intensify his efforts by going to his local library and sending out repulsive and threatening e-mails to a few of our members," Taylor said. He and other Canadian hams were able to determine that the e-mails had come from a public library terminal in the Cleveland, Ohio, area. Taylor contacted CARS President Bob Check,

W8GC, for assistance in zeroing in on the jammer.

Tracking down the signal source involved mobile direction-finding work by three CARS members, who passed along their findings to the FCC's Detroit Office late last January. Already alerted to the situation, the FCC's Detroit Office had called on the Commission's High Frequency Direction Finding (HFDF) facility in Maryland. The HFDF group monitored jamming and the playing of music and narrowed down the search to an area near the intersection of Interstates 480 and 77 in the Cleveland area.

In the meantime, the FCC received the CARS report indicating that the interference was coming from Sauer's residence. On January 31, an FCC agent also used direction-finding techniques to track the source of the interference on 7.055 MHz to Sauer's home and conducted an inspection. The FCC said Sauer "admitted that he had been playing music and deliberately jamming the frequency of 7.055 MHz." Sauer "further admitted to jamming and playing music on this frequency on previous days."

Based on its findings, the FCC concluded that the \$12,000 fine was justified. The FCC ordered Sauer to pay the fine within 30 days or file a written statement seeking a reduction or cancellation of the proposed forfeiture.

*Don't assume malice
 for what stupidity can explain.*

From the ARRL Letter, Vol. 22, No. 16, Friday, April 18, was World Amateur Radio Day, celebrated each year on the anniversary of the founding of the International Amateur Radio Union (IARU). The IARU is the worldwide federation of national Amateur Radio organizations representing radio amateurs in 158 countries. On this, the 78th anniversary of its inaugural meeting in Paris, the IARU dedicated World Amateur Radio Day to the radio amateurs, educators, and administrators who use Amateur Radio to support technology education in the classroom.

From the Mail Bag

Wed, 14 May 2003

Good Morning All:

As some of you may already be aware, John Byrne - Regional Director for Nova Scotia of the Canadian Red Cross, has been appointed General Manager for the Atlantic Zone of Canadian Red Cross and will have responsibility for overseeing Red Cross operations in the four Atlantic Provinces.

Bill Campbell has been appointed INTERIM Regional Director until a competition is held and a permanent Regional Director is selected.

Joe MacPherson, VE1CH

The mind is like a parachute, it works best when it is opened.

The complete W1AW Operating Schedule may be found on page 93 in the April 2003 issue of QST or on the web at,

<http://www.arrl.org/w1aw.html>

**Answer to puzzler on page 1**

Which type of amateur radio license was issued in the 1920s but was permanently discontinued in the 1930s?

Answer The "Amateur Broadcast License".

They all started with the prefix "10"

There were quite a few 10 stations licensed and then went off the air. The only ones we have a history of are those that eventually went on to be commercial stations.

The ones we know of are:

10AB	Moose Jaw, Sask.	1922
10AD	Fredricton NB	1923
10AK	Stratford Ont.	1927
10AS	Charlottetown PEI	1924
10BI	Prince Albert Sask.	1922
10BP	Wingham Ont.	1926
10BT	Chatham Ont.	1926

AMSAT-NA President is
Robin Haughton, VE3FRH

**From the ARRL Letter, Vol. 22, #18,
VHF GROUP TOLD
ARRL WILL FIGHT INTRUDERS
AGGRESSIVELY**

ARRL General Counsel Chris Imlay, W3KD, urged those attending the annual conference of the South-eastern VHF Society

<http://www.svhfs.org/>

April 26-27 to continue to occupy the microwave bands. The ARRL official also encouraged the group to develop new and innovative communication techniques--such as IEEE 802.11 high-speed wireless--to expand Amateur Radio's presence on its microwave allocations. Imlay told some 70 amateurs attending the SVHFS event in Huntsville that amateurs were being asked to share their VHF and UHF bands with more and higher-powered unlicensed Part 15 devices, and he pledged the League's aggressive defense against these intruders.

"The FCC seems to want the amateur community to accept higher and higher 'interference temperatures,'" Imlay said, referring to higher noise levels caused by increased band occupancy. "We will fight that!"

Imlay also presented an overview of the current regulatory climate in Washington and a detailed, band-by-band outline of the threats

<http://www.arrl.org/news/bandthreat/>

to Amateur Radio frequencies from commercial interests. He noted ARRL's strong opposition to an FCC proposal to agree with a 2001 request from SAVI Technology that would allow operation of advanced RF identification (RFID) devices between 425 and 435 MHz. The ARRL contends that the RFID proposal is contrary to the philosophy of FCC Part 15 rules and could result in significant interference to amateur operations.

During the gathering, the SVHFS donated \$300 to the ARRL Defense of Frequencies Fund and another \$300 to AMSAT-NA.

Early Canadian radio clubs:

The Amateur Radio Club of McGill University was formed in the late 1920's. The club station was set up in the electrical lab and operated with the call VE2CP.

Founded in 1932, the Montreal Amateur Radio Club VE2ARC grew out of the amalgamation of several small local groups particularly the Westmount Radio Club.

More TECHNICIAN PROFILES

Courtesy of Jerry Proc, VE3FAB

Several years ago a human resources organization studied a number of technicians and discovered the following profiles:

Talkative Tom - He's so busy talking, he never has time to listen.



Executive Zeke - "Managers manage, they don't solve problems."

Procrastinator Pete - Always can find a reason for putting off doing something or for taking action.

Don't-Ask-For-Help-Don - "I'd rather do it myself even if I can't fix it."

Statistical Stan - I don't understand why you're not satisfied. My mean time to repair, mean time between failure, downtime, availability, reliability, and regression analyses tell me everything's fine.

P & L Peter - That will cost you an additional \$8.50 because that is outside our interpretation of our contractual commitment

Put-It-In-Writing Paul - "We can't take any action until I have a written request with 10 levels of approval signatures."

Sledgehammer Hank - The proverbial bull in the china shop.

Forester Frank - Can't separate the forest from the trees.

Super-Secretive Steve - "Don't tell the customer; he might use it against us."

Buck-Passer Bert - "I'd like to do that for you and I agree we should, but my management says no."

Pampered Andy - "Don't criticize me or I'll tell my management you're unprofessional and abusing me."